This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

 (Previously Presented) An actinic ray curable composition containing a photo acid generator, and an oxetane compound I of the following formula,

wherein R_1 , R_2 , R_3 , R_4 , R_5 , and R_6 independently represent a hydrogen atom, a fluorine atom, an alkyl group having from 1 to 6 carbon atoms, a fluoroalkyl group having from 1 to 6 carbon atoms, an allyl group, an aryl group, a furyl group or a thienyl group, provided that R_3 , R_4 , R_5 , and R_6 are not simultaneously hydrogen atoms, and wherein the longer C-O bond distance of the two C-O bond distances in the formula is from 0.1464 to 0.1500 nm.

Claim 2 (Canceled).

3. (Previously Presented) The actinic ray curable composition of claim 1, wherein the composition further contains an oxetane compound II represented by formula 2, 3, 4 or 5 or an oxetane compound III represented by formula 6 or 7,

Formula 2

$$R_4$$
 R_5 R_6 R_6

Formula 3

$$R_4$$
 R_3
 R_5
 R_2
 $Z-R_7$

$$\begin{array}{c|c} R_8 - Z & Z - R_7 \\ \hline R_3 & O & R_5 \end{array}$$

Formula 5

$$R_8 - Z - R_1 R_2 - Z - R_7$$

$$R_3 O R_5$$

wherein R_1 , R_2 , R_3 , R_4 , R_5 and R_6 independently represent a hydrogen atom or a substituent, and Z represents an oxygen atom, a sulfur atom, a divalent hydrocarbon group or a divalent hydrocarbon group in which an oxygen atom or a sulfur atom is intervened,

Formula 6

$$\begin{bmatrix} R_1 & Z \\ R_4 & R_6 \\ R_3 & O & R_5 \end{bmatrix}_m$$

Formula 7

$$\begin{bmatrix} R_1 & R_2 \\ R_4 & Z \\ R_3 & Q & R_5 \end{bmatrix}_m$$

wherein R_1 through R_6 independently represent a hydrogen atom, a fluorine atom, an alkyl group having a carbon atom number

of from 1 to 6 such as a methyl group, an ethyl group, a propyl group or a butyl group, a fluoroalkyl group having a carbon atom number of from 1 to 6, an allyl group, an aryl group, or a furyl group; m is 2, 3 or 4; Z represents an oxygen atom, a sulfur atom, a divalent hydrocarbon group or a divalent hydrocarbon group in which an oxygen atom or a sulfur atom is intervened; and R₉ represents a straight chain or branched chain alkylene group having from 1 to 12 carbon atoms, a straight chain or branched chain poly(alkylene oxy) group, or a divalent group selected from the group consisting of the following formula 9, 10 and 11,

Formula 9

wherein n represents an integer of from 0 to 2000; R_{11} represents an alkyl group having from 1 to 10 carbon atoms or a group represented by the following formula 12; and R_{12} represents an alkyl group having from 1 to 10 carbon atoms,

Formula 12

$$R_{13}$$
 R_{13} R_{13} R_{13} R_{13} R_{14} R_{15} R_{15} R_{15} R_{15} R_{15} R_{15}

wherein j represents an integer of from 0 to 100; R_{13} represents an alkyl group having from 1 to 10 carbon atoms, Formula 10

wherein R_{14} represents an alkyl group having from 1 to 10 carbon atoms, an alkoxy group having from 1 to 10 carbon atoms, a halogen atom, a nitro group, a cyano group, a mercapto group, an alkoxycarbonyl group or a carboxyl group,

Formula 11

wherein R_{15} represents an oxygen atom, a sulfur atom, -NH-, -SO-, $-SO_2-$, $-(CH_2)-$, $-C(CH_3)_2-$ or $-(CF_3)_2-$.

- 4. (Original) The actinic ray curable composition of claim 1, wherein the composition further contains an oxirane compound having an oxirane ring.
- 5. (Original) The actinic ray curable composition of claim 1, wherein the composition has a viscosity at 25 °C of from 7 to 50 mPa·s.
- 6. (Previously Presented) An actinic ray curable composition containing a photo acid generator, and an oxetane compound I' of the following formula,

$$R_1$$
 R_2 R_4 C C R_6 R_7

wherein R_1 , R_2 , R_3 , R_4 , R_5 , and R_6 independently represent a hydrogen atom, a fluorine atom, an alkyl group having from 1 to 6 carbon atoms, a fluoroalkyl group having from 1 to 6 carbon atoms, an allyl group, an aryl group, a furyl group or a thienyl group, provided that R_3 , R_4 , R_5 , and R_6 are not simultaneously hydrogen atoms, and wherein in the formula, the longer C-O bond

distance of the two C-O bond distances is from 0.1435 to 0.1461 nm, and the oxygen atom has a charge of from -0.330 to -0.281.

Claim 7 (Canceled).

8. (Previously Presented) The actinic ray curable composition of claim 6, wherein the composition further contains an oxetane compound II represented by formula 2, 3, 4 or 5 or an oxetane compound III represented by formula 6 or 7, Formula 2

$$R_4$$
 R_5 R_6 R_6

$$R_{4}$$
 R_{3}
 R_{2}
 $Z-R_{7}$

Formula 4

Formula 5

$$R_8-z$$
 R_3
 R_5
 R_5

wherein R_1 , R_2 , R_3 , R_4 , R_5 and R_6 independently represent a hydrogen atom or a substituent, and Z represents an oxygen atom, a sulfur atom, a divalent hydrocarbon group or a divalent hydrocarbon group in which an oxygen atom or a sulfur atom is intervened,

$$\begin{bmatrix} R_1 & Z \\ R_4 & R_6 \\ R_3 & O & R_5 \end{bmatrix}_m$$

Formula 7

$$\begin{bmatrix} R_1 & R_2 \\ R_4 & Z \\ R_3 & Q & R_5 \end{bmatrix}_m$$

wherein R₁ through R₆ independently represent a hydrogen atom, a fluorine atom, an alkyl group having a carbon atom number of from 1 to 6 such as a methyl group, an ethyl group, a propyl group or a butyl group, a fluoroalkyl group having a carbon atom number of from 1 to 6, an allyl group, an aryl group, or a furyl group; m is 2, 3 or 4; Z represents an oxygen atom, a sulfur atom, a divalent hydrocarbon group or a divalent hydrocarbon group in which an oxygen atom or a sulfur atom is intervened; and R₉ represents a straight chain or branched chain alkylene group having from 1 to 12 carbon atoms, a straight chain or branched chain poly(alkylene oxy) group, or a divalent group selected from the group consisting of the following formula 9, 10 and 11,

wherein n represents an integer of from 0 to 2000; R_{11} represents an alkyl group having from 1 to 10 carbon atoms or a group represented by the following formula 12; and R_{12} represents an alkyl group having from 1 to 10 carbon atoms, Formula 12

wherein j represents an integer of from 0 to 100; R_{13} represents an alkyl group having from 1 to 10 carbon atoms, Formula 10

$$-H_2C$$
 R_{14}
 CH_2-

wherein R_{14} represents an alkyl group having from 1 to 10 carbon atoms, an alkoxy group having from 1 to 10 carbon atoms, a halogen atom, a nitro group, a cyano group, a mercapto group, an alkoxycarbonyl group or a carboxyl group,

Formula 11

wherein R_{15} represents an oxygen atom, a sulfur atom, -NH-, -SO-, -SO₂-, -(CH₂)-, -C(CH₃)₂- or -(CF₃)₂-.

- 9. (Original) The actinic ray curable composition of claim 6, wherein the composition further contains an oxirane compound having an oxirane ring.
- 10. (Original) The actinic ray curable composition of claim 6, wherein the composition has a viscosity at 25°C of from 7 to 50 mPa·s.
- 11. (Previously Presented) An actinic ray curable ink, containing pigment, a photo acid generator, and an oxetane compound I of the following formula,

$$R_1$$
 R_2 R_6 R_6 R_6

wherein R_1 , R_2 , R_3 , R_4 , R_5 , and R_6 independently represent a hydrogen atom, a fluorine atom, an alkyl group having from 1 to 6 carbon atoms, a fluoroalkyl group having from 1 to 6 carbon atoms, an allyl group, an aryl group, a furyl group or a thienyl group, provided that R_3 , R_4 , R_5 , and R_6 are not simultaneously hydrogen atoms, and wherein the longer C-O bond distance of the two C-O bond distances in the formula is from 0.1464 to 0.1500 nm.

12. (Previously Presented) An actinic ray curable ink, containing pigment, a photo acid generator, and an oxetane compound I' of the following formula,

wherein R_1 , R_2 , R_3 , R_4 , R_5 , and R_6 independently represent a hydrogen atom, a fluorine atom, an alkyl group having from 1 to 6 carbon atoms, a fluoroalkyl group having from 1 to 6 carbon atoms, an allyl group, an aryl group, a furyl group or a thienyl group, provided that R_3 , R_4 , R_5 , and R_6 are not simultaneously hydrogen atoms, and wherein in the formula, the longer C-O bond distance of the two C-O bond distances is from 0.1435 to 0.1461 nm, and the oxygen atom has a charge of from -0.330 to -0.281.

Claim 13-20 (Cancelled).